

# A Human-Relatable Course of Action Planner for Air Traffic Coordinators, Phase I

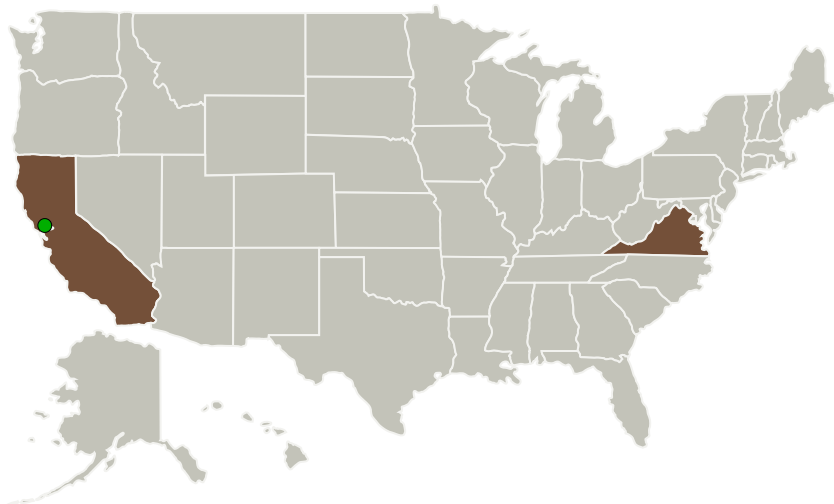
Completed Technology Project (2011 - 2011)



## Project Introduction

Traffic Managers, Supervisors and Air Traffic Control System Command Center (ATCSCC) Specialists have a critical and significant responsibility in the ATM system to deal with widely varying contingencies and issues. Although many tools exist to support the Traffic Manager in fulfilling their duties, these tools generally focus on one specific type of traffic management initiative and the planning and decisions suggested by these tools are not integrated together. While much attention has been focused on decision support tools and information systems for the controllers, only minimal attention has been given to decision support tools for the Supervisors and Traffic Managers other than the specific traffic management initiatives. We propose to develop a Course of Action Planner for Air Traffic Coordinators. Given assumed inputs from all systems that may affect the Coordinator's tasks (via SWIM), the planner will develop a set of required and prioritized tasks, and feasible options for solutions to the identified issues. Each option will contain a list of actions (including TMIs) that, when combined, will address the identified situation.

## Primary U.S. Work Locations and Key Partners



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Organizations Performing Work	Role	Type	Location
Mosaic ATM, Inc.	Lead Organization	Industry	Leesburg, Virginia
● Ames Research Center(ARC)	Supporting Organization	NASA Center	Moffett Field, California

Primary U.S. Work Locations	
California	Virginia

## Project Transitions

**February 2011:** Project Start**August 2011:** Closed out**Closeout Documentation:**

- Final Summary Chart(<https://techport.nasa.gov/file/137822>)

## Organizational Responsibility

**Responsible Mission Directorate:**

Space Technology Mission Directorate (STMD)

**Lead Organization:**

Mosaic ATM, Inc.

**Responsible Program:**

Small Business Innovation Research/Small Business Tech Transfer

## Project Management

**Program Director:**

Jason L Kessler

**Program Manager:**

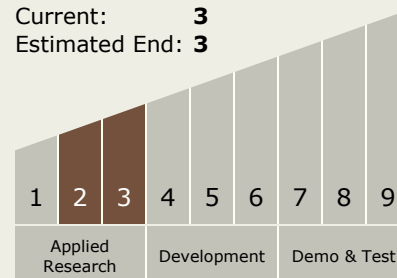
Carlos Torrez

**Principal Investigator:**

Chris Brinton

## Technology Maturity (TRL)

Start: 2  
 Current: 3  
 Estimated End: 3



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## Technology Areas

### Primary:

- TX16 Air Traffic Management and Range Tracking Systems
  - └ TX16.3 Traffic Management Concepts

## Target Destinations

The Sun, Earth, The Moon, Mars, Others Inside the Solar System, Outside the Solar System